

**U.S. EPA Office of Research and Development (ORD)**  
**Board of Scientific Counselors (BOSC)**  
**Air, Climate, and Energy Subcommittee (ACE SC)**  
**for the Air, Climate, and Energy (ACE) Research Program**

**Tuesday, October 12, 2021**

<b>Time (EDT)</b>	<b>Agenda Activity</b>	<b>Presenter</b>
10:30 – 11:00	Sign on & Technology Check	
11:00 – 11:15	Welcome and Opening Remarks	Tom Tracy, Designated Federal Officer (DFO)  Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
11:15 -11:30	ORD Welcome	Wayne Cascio, ORD Acting Principal Deputy Assistant Administrator for Science
11:30 – 11:45	Overview of ACE BOSC SC Meeting Format and Charge Questions	Bryan Hubbell ACE National Program Director (NPD)
11:45 – 11:55	Update on BOSC EC PFAS Research Discussion	Susan Burden, OSAPE
<b>Charge Question 1</b>		
11:55 – 12:10	<b>CQ1:</b> Science Needs Related to Air Toxic Sources and Emerging Contaminants (Research Areas 2 and 4)	Bryan Hubbell, ACE NPD
12:10 – 12:25	Approaches for Addressing Scientific Challenges and Key Uncertainties in Characterizing Air Toxics and Contaminants of Emerging Concern	Alice Gilliland, Acting Center Director, Center for Environmental Measurement and Modeling (CEMM)
12:25 – 1:55	Research to Understand Source Emissions and Ambient Concentrations of Air Toxics and Contaminants of Emerging Concern	Tiffany Yelverton, CEMM Richard Shores, CEMM Alan Vette, CEMM Chet Wayland, OAR
1:55 – 2:10	<b>BREAK</b>	
2:10 – 4:10	<b>Meet the Scientists, Session #1</b>	
	<b>Room A</b>	
	Air Toxics – Source Measurement and Methods, Session Lead	Wyat Appel, CEMM
	PFAS Methods Development	Jeff Ryan, CEMM
	Fenceline Measurements and Methods Development	Eben Thoma, CEMM
	PFAS Incineration	Jonathan Krug, CEMM
	<b>Room B</b>	
	Air Toxics – Ambient Measurement and Methods, Session Lead	Mike Hays, CEMM
	VOCs/Odor Explore App	Rachelle Duvall, CEMM
	EtO Ambient Measurement and Methods Development	Ingrid George, CEMM
	Air Toxics Ambient Measurement and Methods Development	Tamira Cousett, CEMM

Time (EDT)	Agenda Activity	Presenter
	<b>Room C</b>	
	Air Toxics Modeling and Databases, Session Lead	Donna Schwede, CEMM
	Incorporating PFAS into the CMAQ Model	Emma D'Ambro, CEMM
	Updates to the SPECIATE database	George Pouliot, CEMM
	Adding VCP Chemistry to CMAQ	Havala Pye, CEMM
4:10 – 4:25	<b>BREAK</b>	
4:25 – 4:40	Public Comments	Tom Tracy, DFO
4:40 – 5:15	Clarification Questions from BOSC SC	Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
5:15 – 6:15	Working Session for BOSC SC Discussion	

### Wednesday, October 13, 2021

Time (EDT)	Agenda Activity	Presenter
10:30 – 11:00	Sign on & Technology Check	
11:00 – 11:15	Welcome Back	Tom Tracy, DFO Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
<b>Charge Question 2</b>		
11:15 -11:30	<b>CQ2:</b> Science Needs to Understand Climate Change Impacts (Research Area 6)	Andy Miller, ACE Associate NPD for Climate
11:30 – 11:45	Approaches to Understand and Prepare for Climate-Driven Impacts	Tim Watkins or TBD, Acting Center Director, Center for Public Health and Environmental Assessment (CPHEA)
11:45 – 1:15	Research to Understand Climate Impacts and to Enable Resilience	Peter Beedlow, CPHEA Britta Bierwagen, CPHEA Chris Weaver, CPHEA Stephanie Santell, OW Dan Brown, R10 Jeremy Martinich, OAP
1:15 – 1:30	<b>BREAK</b>	
1:30 – 3:30	<b>Meet the Scientists, Session #2</b>	
	<b>Room A</b>	
	Water Quality and Aquatic Resources, Session Lead	Darrell Winner, CPHEA
	Stormwater Best Management Practices	Tom Johnson, CPHEA
	Adaptation Planning Frameworks	Jordan West, CPHEA
	Regional Watershed Resilience	Naomi Detenbeck, CEMM
	<b>Room B</b>	
	Ecosystem Effects, Session Lead	Peter Beedlow, CPHEA
	Coldwater Fish Refugia	Joe Ebersole, CPHEA
	Nutrient Transport	Jana Compton, CPHEA

Time (EDT)	Agenda Activity	Presenter
	<b>Room C</b>	
	Scenarios and Impacts, Session Lead	Tanya Spero, CEMM
	Global Change Explorer	Phil Morefield, CPHEA
	Storm IDF curves	Anna Jalowska, CPHEA
3:30 – 3:45	<b>BREAK</b>	
3:45 – 4:15	Public Comments	Tom Tracy, DFO, OSAPE
4:15 – 4:45	Clarification Questions from BOSC SC	Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
4:45 – 5:30	Working Session for BOSC SC Discussion	

### Thursday, October 14, 2021

Time (EDT)	Agenda Activity	Presenter
10:30 – 11:00	Sign on & Technology Check	
11:00 – 11:15	Welcome Back	Tom Tracy, DFO, OSAPE Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
<b>Charge Question 3</b>		
11:15 – 11:25	<b>CQ3:</b> Science Needs for Impacts of Changing Energy Systems (Research Area 5)	Sherri Hunt, ACE Principal Associate NPD
11:25 – 12:15	Approaches and Research to Understand Impacts of Changing Energy Systems	Darrell Winner, CPHEA Rebecca Dodder, CEMM Marcus Sarofim, OAP Shutsu Wong (R1)
12:15 – 12:30	<b>BREAK</b>	
12:30 – 2:00	<b>Meet the Scientists Session #3</b>	
	<b>Room A</b>	
	Energy Systems Modeling and Databases, Session Lead	Tom Pierce, CEMM
	GLIMPSE	Dan Loughlin, CEMM
	EPAUS9r-TIMES	Carol Lenox, CEMM
	CoMET	Ozge Kaplan, CEMM
	<b>Room B</b>	
	Biofuels, Session Lead	Britta Bierwagen, CPHEA
	Biofuels Report to Congress	Chris Clark, CPHEA
	Terrestrial Effects of Land Use Change	Steve LeDuc, CPHEA
2:00 – 2:15	<b>BREAK</b>	
2:15 – 3:15	Revitalizing Research to Address the Challenge of Climate Change	Bryan Hubbell, ACE NPD Andy Miller, ACE ANPD for Climate
3:15 – 4:00	Clarification Questions from BOSC SC	Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
4:00 – 5:00	BOSC SC Workgroup Breakouts	
5:00 – 5:45	BOSC SC Workgroup Reports	
5:45 – 6:00	Wrap up and Next Steps	Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
6:00	Adjourn	Tom Tracy, DFO

### **Meet the Scientists Sessions**

- ACDs will plan details of these sessions.
- Meet the Scientists sessions promote smaller group interactions with researchers.
- Each Meet the Scientists session has multiple time blocks/virtual rooms and will:
  - Focus on a specific topic, and
  - Have a moderator and scientists, each with short presentations, with time for group/topic discussion.
- Within a Meet the Scientist Session, each block/virtual room will repeat so that **all subcommittee members will be able to attend all virtual rooms**. Subcommittee members will be assigned a group and will rotate through the virtual rooms.